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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,569	03/22/2004	Gianfranco Guderzo	CAM3-PT100	2190
3624	7590	07/12/2007	EXAMINER	
VOLPE AND KOENIG, P.C.			TO, TUAN C	
UNITED PLAZA, SUITE 1600				
30 SOUTH 17TH STREET			ART UNIT	PAPER NUMBER
PHILADELPHIA, PA 19103			3663	
			MAIL DATE	DELIVERY MODE
			07/12/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/806,569	<b>Applicant(s)</b> GUDERZO, GIANFRANCO	
	<b>Examiner</b> Tuan C. To	<b>Art Unit</b> 3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 27 October 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) 4,12-17,20,24,28 and 29 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6 and 7 is/are allowed.
- 6) ☒ Claim(s) 1-3,5,8-11,18,19,21-23,25-27 and 30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1, 5, 8, 9-11, 18, 19, 21-23, 27, and 30 are rejected under 35 U.S.C. 102

(b) as being anticipated by Campagnolo (US 20010027495A1).

With respect to claims 1, 10, 11, 18, 27, and 30, the primary reference to Campagnolo direct to a system for controlling the operating functions of a cycles (Campagnolo, figure 2), in which the first unit (10) is selectively removed from the second unit (20), and that the second unit (20) implements a set of basic locomotion functions when the first unit (10) is removed from the cycle (Campagnolo, page 1, paragraphs 0019, and 0020).

With regard to claims 5 and 9, Campagnolo teaches that the second unit (20) includes a microprocessor (203) for performing set of basic locomotion functions, for example, receiving input from sensors connected to said microprocessor (203).

With regard to claim 8, the first unit (10) is a display unit (Campagnolo, figure 2; page 1, paragraph 0015).

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With regard to claims 19, 21-23, Campagnolo further discloses some push-buttons which are used as hand operable means (Campagnolo, page 3, paragraph 0055).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Campagnolo (US 20010027495A1) and in view of Uno (US 20030160686A1).

With respect to claim 2, Campagnolo fails to direct the limitation "function of controlling, through corresponding controls associated to the second unit, a first actuator controlling a gear shift of the cycle and a second actuator controlling a derailleur of the cycle".

Uno has been cited to overcome the missing feature from Campagnolo (Uno, page 2, paragraph 0022).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of Campagnolo to include the teachings as

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taught in Uno so that a bi-cycle user is comfortable when shifting from one gear to another gear while the user continues on his (her) ride.

With regard to claim 3, Uno teaches another system for controlling the operating functions of a cycle, including function of controlling the first actuator and a second actuator is enabled in a manual mode that permits manual operation of the actuators (see Uno, page 3, paragraph 0027).

Claims 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Campagnolo (US 20010027495A1) and in view of Takeda (US 20030078716A1).

As to claim 25, Campagnolo fails to teach that the display unit directs the control/power unit to perform at least the following tasks: resetting the home position of the actuator, compensating for misalignments in the part, allowing the person to manually operate the actuator, and allowing the person to automatically operate the actuator.

The new found reference to Takeda teaches a system for controlling the operating system of a bicycle including a display unit (24) (see figure 2) directs the control unit (23) (figure 3) to perform the tasks of "resetting the home position of the actuator, compensating for misalignments in the part, allowing the person to manually operate the actuator, and allowing the person to automatically operate the actuator" (paragraph 0019 and 0032, the home position of an actuator is reset when the mode switch is activated, the compensating for misalignment in the part has been performed when either upshift or downshift button is used, the bicycle operates in automatic mode and manual mode).

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of Campagnolo to include the teachings as taught in Takeda to gain advantage of effectively operating different functions of a bicycle.

***Allowable Subject Matter***

Claims 6 and 7 are allowable.

***Response to Arguments***

Applicant's arguments with respect to claims 25 and 26 have been considered but are moot in view of the new ground(s) of rejection.

Campagnolo explicitly teaches that when the display unit is selectively removed from the cycle, the block (20) includes a circuit (203) (paragraph 0020) managing inputs from one or more push-button 28, 29, and further the inputs from the sensor (205). This clearly shows that when the display (10) is selectively removed from cycle, the block (20) continues to manage the inputs received from said push-buttons and said sensors. The 102 (b) rejection is still proper.

***Conclusions***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

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The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner,

A handwritten signature in black ink, appearing to read 'Tuan C To', is written over a horizontal line.

Tuan C To

July 6, 2007